PTO/SB/08A (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

PE		Substitute for form 1449A/PTO
na		INFORMATION DISCLOSURE STATEMENT BY APPLICANT
MON OS	H	STATEMENT BY APPLICANT
		(use as many sheets as necessary)

C	omplete if Known			
Application Number	09/917,649	C		
Filing Date	July 31, 2001	<u> </u>		77
First Named Inventor	Feldstein	Q	P.	7
Group Art Unit	3753 1743		1	7
Examiner Name	Not yet assigned	(~D+201	7	A
Attorney Docket Number	79,856	F	2	\J

		(	use as many sh	ieets as n	ecessary)	Group Art Examiner		3753. 1743 Not yet assigned	Lu Dizoluji	
Y	Shee	et 1		of 2	<u>}</u>	-	Docket Number	79,856	产家	克
	<u> </u>		U.S. Patent	Documen		TENT DOCU		Prope	Columns, Limits, A	CEIVEL 9 2007
Exa Initia	aminer ials	Cite No.1	Number	Kind Cod	Name of Patentee of Cited Doo		Date of Publicat Cited Docume MM-DD-YYY	ent Passa	nere Relevant ages or Relevant gures Appear	920 EL
<u> </u>	1	<del></del>	5,715,856		Martin et al.		02/10/98		(,,	. 1007
$\vdash$	++		5,726,404 6,033,544	-+-	Brody Demers et al.		03/10/98 03/07/00			₽ <b>&gt;</b> >>
$\vdash$	++		6,068,978	-+-	Zaun et al.		05/30/00			$\exists \omega$
	to		6,137,117		Feldstein et al.		10/24/00			1
	7		6,192,168		Feldstein et al.		02/20/01			]
			<del>                                     </del>							1
$\vdash$	$\rightarrow$		+	+		<del> </del>	+	<del></del>		-{
					***					]
$\vdash$			<del> </del>	<del></del>			<b></b>			
-			+	+					•	-{
			<del>                                     </del>	+	+		+		-	
$\vdash$	$\dashv$	<del></del>	<del> </del>							
$\vdash$			<del> </del>				<del> </del>	<del></del>	· <del></del>	_
			<del> </del>	$\perp$			+			+

FOREIGN PATENT DOCUMENTS								
Examiner	Cite	F	oreign Patent Do		Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant	
Initials*	No.1	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	T6
					<u></u>		······································	
		<del>                                     </del>						<u> </u>
		<del>                                     </del>						+
-		<del>                                     </del>						
-				+			<del></del>	╁
	-		· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·	1

Examiner Signature	JAN LUDLOW	Date Considered	6/18/02
3.13.13.13	DDIMARY EYARRINED		• / • /

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

	€
Please type a plus sign (+) inside this box	_

Sheet

Please type a plus sign (+) inside this box + Approved for use through 10/31/2002. OMB 0651-0031

U. S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)

of 2

d	Complete if Known	** m*	<b>y</b> 、`	Y
Application Number	09/917,649		10	1
Filing Date	July 31, 2001	10	$oldsymbol{oldsymbol{arphi}}$	Ź)
First Named Inventor	Feldstein	CO.		疌
Group Art Unit	3753 17 43	7(	ő	7F
Examiner Name	Not yet assigned.	LUBL	00	₫.
Attorney Docket Number	79,856	¥	7	J

			3 1
		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS  Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate) title of the	
Examiner Initials	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
M	\	Brody et al., Biotechnology at Low Reynolds Numbers, pp. 3430-3441, Biophysical Journal, Volume 71, December 1996	
M	\	VerLee et al., Fluid Circuit Technology: Integrated Interconnect Technology for Miniature Fluidics Devices, pp. 9-14, 1996 Solid-State Sensor and Actuator Workshop, June 3-6, 1996,	
N	1	Brody et al., LOW REYNOLDS NUMBER MICRO-FLUIDIC DEVICES, pp. 105-108, Solid-State Sensor and Actuator Workshop, June 2-6, 1996	
S		Manz et al., u-TAS: MINIATURIZED TOTAL CHEMICAL ANALYSIS SYSTEMS, pp. 5-27, Micro Total Analysis Systems, Kluwer Academic Publishers, 1995	
nf	Ç,	Manz et al., Planar Chips Technology for Miniaturization of Separation Systems: A Developing Perspective in Chemical Monitoring, pp. 1-66, Advances in Chromotography, Vol. 33, 1993	
1	\	Bhatia et al., Use of Thiol-Terminal Silanes and Heterobifunctional Crosslinkers for Immobilization of Antibodies on Silica Surfaces, pp. 408-413, Analytical Biochemistry, 178, 1989	
N	,	Feldstein et al., Fluoriscence Array Biosensor Part 1: Optics and Fluidics, pp. 431-433, Micro Total Analysis Systems '98, Proceedings of the uTAS '98 Workshop, October 13-16, 1998	
M	X	Rowe et al., An Array Immunosensor for Simultaneous Detection of Clinical Analytes, pp. 433-439, Analytical Chemistry, Vol. 71, No. 2, 1999	
~/	Z	Feldstein et al., Array Biosensor: Optical and Fluidics Systems, pp. 139-153, Journal of Biomedical Microdevices, 1:2, 1999	
S	V	Rowe-Taitt et al., Array biosensor for detection of biohazards, pp. 785-794, Biosensors & Bioelectroncs, 14, 2000	
M	7	Dodson et al., Fluidics Cube for Biosensor Miniaturization, Analytical Chemistry, Published on the Web, June 2001	

Examiner	JAN LUDLOW	Date	1. 1. 1. 2
Signature	PRIMARY FXAMINER	Considered	0/10/02

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this bo	Please	type a	plus	sign	(+)	inside	this	kod
--	--------	--------	------	------	-----	--------	------	-----

x	

PTO/SB/08A (08-00) 0/31/2002. OMB 0651-0031

	On manufactor if Management
Under the Paperwork Reduction Act of 1995, no persons are required to respond	ond to a collection of information unless it contains a valid OMB control number.
	U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERC
<u></u>	Approved to use through Too neoce. One door-out

Substitute for form 1449A/PTO	Complete if Known		
INCOME A TION DIGGE COURT	Application Number	09/917,649	
INFORMATION DISCLOSURE	Filing Date	July 31, 2001	
STATEMENT BY APPLICANT	First Named Inventor	Feldstein	
(use as many sheets as necessary)	Group Art Unit	3753-1743	
	Examiner Name	not yet assigned CUD Cou	

of 1 Sheet 1 Attorney Docket Number 79,856

THE MARK OF **U.S. PATENT DOCUMENTS** aminer U.S. Patent Document Pages, Columns, Lines, Date of Publication of Cite Name of Patentee or Applicant Where Relevant Passages or Relevant Kind Code Cited Document nitials No.3 of Cited Document Number MM-DD-YYYY Figures Appear 5,849,486 Heller et al 12-15-1998 Anderson et al 5,922,581 07-13-1999

FOREIGN PATENT DOCUMENTS							
Examiner Initials	Cite No.1	Foreign Patent Document		Name of Patentee or		Pages, Columns, Lines.	
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> ( <i>if known</i> )	Applicant of Cited Document	1	Where Relevant Passages or Relevant Figures Appear
11				. !	7		
					:		
					•		
					( <u> </u>	,	
						· .	

Examiner	1010	Date	01
Signature	(0)(00	Considered	4/18/02

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

MAR 1 9 2002 TECHNOLOGY CENTER R3700

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is In conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the Indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WiPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.